



HEALTH INFORMATION TECHNOLOGY SYSTEMS & SERVICES

Health information systems (HIS) are designed to manage healthcare data. There are several systems used in the Ethiopian healthcare industry. This booklet contains brief descriptions of the following systems:

Electronic Community Health Information System (eCHIS)
Electronic Medical Record (EMR)
Healthnet
Health Management Information System (HMIS)
Master Facility Registry (MFR)
Public Health Emergency Management (PHEM)
 Supply chain systems



ELECTRONIC COMMUNITY HEALTH INFORMATION SYSTEM (eCHIS)



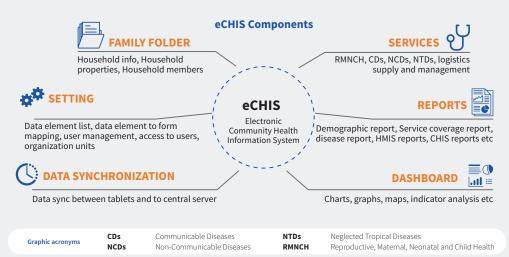


ACHIEVEMENTS



FAMILY FOLDER, RMNCH and
COMMUNICABLE DISEASES (TB & MALARIA)
modules for eCHIS
development completed







ELECTRONIC MEDICAL RECORDS (EMR) SYSTEM

An EMR is a digital version of a paper chart or register created and managed by health services providers at a health organization to capture and store patient health information.



ACHIEVEMENTS

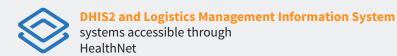


EMR software updated to maintain patient records of People Living with HIV (PLHIV) taking antiretroviral medications.



The Ministry of Health has been working with Ethio Telecom to provide internet connection to all health facilities and health administration units across the country via HealthNet, a Virtual Private Network (VPN) service. HealthNet allows these sites to access digital tools such as DHIS2 to enter data and submit reports in a timely manner.





3,605 ha

HEALTH INSTITUTIONS

have been connected to HeathNet

KEY BENEFITS OF HEALTHNET



Improve data quality and use



Improve timeliness of reports



Improve accuracy and completeness of health data



Provide timely feedback to hospitals, health centers and woreda offices



Usable by multiple health systems



Future efficiency and capacity thanks to improved network connectivity



Provide data access during emergency internet shut-down



HEALTH MANAGEMENT INFORMATION SYSTEM (HMIS)

An HMIS supports routine collection, aggregation, analysis, presentation and use of health data for evidence-based decision making by health workers, managers and policy makers. Since the launch of the Information Revolution Roadmap, Ethiopia deployed the electronic DHIS2 to support HMIS activities.



ACHIEVEMENTS



DEPLOYED DHIS2

system for HMIS data collection, analysis and reporting



DHIS2 HEALTH SITE ACCESS

3,605 ONLINE 1,600 OFFLINE



4,000

DATA WORKERS

trained on advanced DHIS2 data analytics tools



131
CORE HMIS
INDICATORS





opened at Gondar University

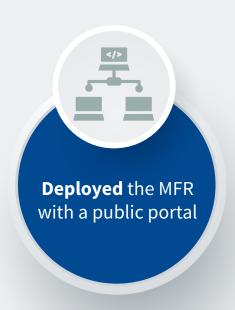




MASTER FACILITY REGISTRY (MFR)

The MFR is a platform for collecting, storing and sharing authoritative information about health facilities in the country. The MFR data can be used by public and private sector stakeholders to align their systems and programs.









PUBLIC HEALTH EMERGENCY MANAGEMENT SYSTEM (PHEM)

Public health emergency management (PHEM) is the process of anticipating, preventing, preparing for, detecting, responding to, controlling and recovering from consequences of public health threats to minimize the health and economic impacts.





The MOH deployed the country's PHEM in 2018 to capture and analyze public health emergency data.



Developed PHEM data entry and PHEM Export to facilitate process of mapping and translating data between the Ethiopian Calendar in DHIS2 and epidemiological weeks in PHEM.



Developed a COVID-19 surveillance and tracking system using DHIS2 with the opportunity to use post-COVID-19 for other disease tracking activities. The system includes a situation monitoring dashboard, geospatial analysis and risk mapping, and key performance indicators.



Ethiopia deployed and enhanced a suite of interoperable ICT systems for managing health system supply chain information in support of the Information Revolution (IR) agenda.



Vites

Vitas is a procurement, inventory and warehouse management technology system



mBrana is a mobile inventory management system for vaccines



Dagu is an inventory management system for health commodities at the facility level



Fanos is a supply chain dashboard for decision making

ACHIEVEMENTS

EXPANDING FUNCTIONALITY

on Vitas to support Global Standards 1 (GS1) enabled tracking of select program commodities and online ordering

REDESIGNING DAGU

to be interoperable with Vitas and Fanos

DEPLOYING mBRANA

to track distribution of bed nets in malaria risk areas